

Docket No. 259120US0PCT

FEB 01 2005

DT07 Rec'd PCT/PTO 01 FEB 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Shahram MIHAN, et al.

SERIAL NO: 10/509,871

GAU:

FILED: October 1, 2004

EXAMINER:

FOR: METHOD FOR OLIGOMERIZING OLEFINS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

259120US0PCT

SERIAL NO.

10/509,871

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Shahram MIHAN, et al.

FILING DATE

October 1, 2004

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AN	0 537 609	04/21/93	EP		NO
	AO	199 43 544	03/15/01	DE (equivalent of US 6803431)		NO
	AP	0 531 174	03/10/93	EP		NO
	AQ	30 07 725	09/17/81	DE (equivalent of US 4404344)		NO

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	TANI, Kazuhide et al. "Preparation of .alpha.-olefin polymers by the use of vanadium or chromium complex catalysts", STN CAPLUS, vol. 129, no. 18, XP002139725, English abstract only 1998				
	AS	KOIDE, Yoshihiro et al. "Alumoxanes as Cocatalysts in the Palladium-Catalyzed Copolymerization of Carbon Monoxide and Ethylene: Genesis of a Structure-Activity Relationship", Organometallics, vol. 15, pages 2213-2226 1996				
	AT	BARRON, Andrew R. "A New Understanding of the Co-Catalytic Activity of Alumoxanes: The Opening of a Black Box!", Macromol. Symp., vol. 97, pages 15-25 1995				
	AU	GLADYSZ, J.A. "Frontiers in Metal-Catalyzed Polymerization: Designer Metallocenes, Designs on New Monomers, Demystifying MAO, Metathesis Deshabille", Chemical Reviews, vol. 100, no. 4, pages 1167-1168 2000				
	AV	RUETHER, Thomas et al. "Novel Chromium(III) Complexes Containing Imidazole-Based Chelate Ligands with Varying Donor Sets: Synthesis and Reactivity", Organometallics, vol. 20, pages 1247-1250 2001				
	AW	DOEHRING, Arno et al. "Donor-Ligand-Substituted Cyclopentadienylchromium(III) Complexes: A New Class of Alkene Polymerization Catalyst. 2. Phosphinoalkyl-Substituted Systems", Organometallics, vol. 20, pages 2234-2245 2001				
	AX	DECKERS, Patrick J.W. et al. "Switching a Catalyst System from Ethene Polymerization to Ethene Trimerization with a Hemilabile Ancillary Ligand", Angew. Chem., vol. 113, no. 13, pages 2584-2587 2001				<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



U.S. PCT Application Serial No.: 10/509,871
Docket No.: 259120US0PCT

STATEMENT OF RELEVANCY

- 1) References AN-AP, AR have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.
- 2) References _____ have been cited in the corresponding _____ Search Report. A copy of these references is being submitted herewith.
- 3) References AQ, AS-AX are discussed in the specification. A copy of these references is being submitted here with.
- 4) References _____ are additional prior art known to Applicant. A copy of these references is being submitted herewith.